

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A device for detecting sulfuryl fluoride, in which ~~the~~ a gas specimen to be examined is subjected to pyrolysis, with ensuing detection of a pyrolysis product, wherein for the pyrolysis, a chemical layer (5) of pyrophoric iron is provided in a portion of the device, and as an indication system for the pyrolysis product, a test tube, in a subsequent portion of the device, (2) for hydrogen fluoride is present.
2. (Currently Amended) The device of claim 1, wherein the chemical layer (5) additionally contains iron or aluminum powder.
3. (Currently Amended) A method for detecting sulfuryl fluoride, in which ~~the~~ a gas specimen to be examined is subjected to pyrolysis, with ensuing detection of a pyrolysis product, wherein:
  - the pyrolysis is performed with a chemical layer (5) of pyrophoric iron above 400° Celsius, and
  - the hydrogen fluoride concentration of the pyrolysis product is detected, using a colorimetric test tube, in order to detect sulfuryl fluoride (2).
4. (Currently Amended) The method of claim 3, wherein iron or aluminum powder is added to the chemical layer (5).
5. (Canceled).
6. (New) The use of a test tube comprising:
  - detecting, in a test tube, hydrogen fluoride as a pyrolysis product of a gas specimen, and
  - determining, from the detected hydrogen fluoride, the proportion of sulfuryl fluoride in the gas specimen.